

"For being capable of bidentate coordination to the preferred palladium atom, the bidentate diphosphine ligands of the catalyst system should be free of substituents offering steric hindrance to a bidentate coordination mode. In particular, the divalent bridging group R should be free of substituents offering steric hindrance. The bridging group R is preferably an organic divalent group comprising 3 to 20 atoms. Preferably the chain of atoms connecting the two phosphorus atoms does not contain terminal heteroatoms. More preferably the bridging group consists only of"

On page 30, please substitute the following for the first paragraph of the abstract:

Processes to prepare 5-cyanovaleric acid or its ester are provided, by carbonylation of a pentenenitrile, wherein pentenenitrile is reacted with carbon monoxide and water and/or an alcohol in the presence of a catalyst system. The catalyst system contains:

MARKED UP VERSION OF REPLACEMENT SECTIONS OF THE SPECIFICATION

On page 9, please substitute the following for the last paragraph on the page (lines 21-31):

"For being capable of bidentate coordination to the preferred palladium atom, the bidentate diphosphine ligands of the catalyst system should be free of substituents offering [stearic] steric hindrance to a bidentate coordination mode. In particular, the divalent bridging